

# **HIGH-FREQUENCY WIRELESS PERIPHERAL DEVICE WITH AUTO- CONNECTION AND AUTO-SYNCHRONIZATION**

## **ABSTRACT OF THE DISCLOSURE**

A system and methods for the automatic establishment of a connection between a human interface device and a host transceiver unit, wherein the system includes a host transceiver unit configured to be connected with a host via a bus, and configured to wirelessly exchange data with a human interface device; a human interface device configured to wirelessly exchange data with a host transceiver; and a computer readable media having instructions thereon, wherein said instruction include routines for synchronizing the host transceiver unit and the human interface device for wirelessly exchanging data between the host transceiver unit and the human interface device at a spread spectrum modulation pattern which is determined by the host transceiver after the host transceiver unit and the human interface device have acknowledged each other's presence.

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